

Notice of Allowability

Application No.

10/763,419

Examiner

Biju Chandran

Applicant(s)

FUJIWARA ET AL.

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/19/2005.
2. ☒ The allowed claim(s) is/are 21-28.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 4/15/05, 1/26/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Response to Arguments

Applicant's arguments with respect to prior claims 1-20 have been considered but are moot in view of the cancellation of these claims.

Reasons for allowance

The following is an examiner's statement of reasons for allowance:

- As claimed in applicant's independent claims 21, and 25, prior art does not teach a heat-receiving unit thermally coupled to a heat generating object, a heat-transferring unit made up of a plurality of heat pipes mounted on the surface of the heat-dissipating surface of the heat-receiving unit, a heat-transferring unit mounted on the heat dissipating surface of the heat receiving unit with a heat conductive cover that covers the heat-transferring unit arranged between the heat-transferring unit and the heat dissipating unit, where the heat dissipating unit includes a plurality of independently formed heat dissipating plates arranged in the extending direction of the heat pipes such that each heat dissipating plate crosses the extending direction of the heat pipes.
- Dibene, II et al. (US 2002/0021556 A1) and Hsu (US 6,382,306 B1) teach some of the limitations of these claims. However, they do not meet all the limitations.

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- As claimed in applicant's independent claims 23 and 27, prior art does not teach a heat receiving unit having a heat receiving surface and an opposite heat dissipating, the heat receiving surface being thermally coupled to the heat generating object, a heat transferring unit mounted on the heat receiving surface of the heat receiving unit excluding a portion of the heat receiving surface that is thermally connected to the heat generating object, a heat dissipating unit mounted on the heat dissipating surface of the heat receiving unit, wherein the heat dissipating unit includes a plurality of heat pipes each of which has a long shape and extends in the same direction as each other, and wherein the heat dissipating unit includes a plurality of heat dissipating plates which are formed independently of each other and arranged in the extending direction of each heat pipe, and where each heat dissipating plate extending in a direction which crosses the extending direction of each heat pipe.
 - Chao (US 6,424,528 B1), Ikeda et al. (US 2002/0007555 A1), Ueki et al. (US 6,317,322 B1), and Ikeda et al. (US 6,263,959 B1) teach some of the limitations of these claims. However, they do not meet all the limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should

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preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Biju Chandran whose telephone number is (571) 272-5953. The examiner can normally be reached on 8AM - 5PM. Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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BORIS CHÉRVINSKY
PRIMARY EXAMINER

Boris Chervinsky
2/15/0